Index of Claims

| Application No. | Applicant(s)   |   |
|-----------------|----------------|---|
| 10/603,375      | JUNG, JONG GOO |   |
| Examiner        | Art Unit       | _ |
| Yennhu B. Huynh | 2813           |   |

✓ Rejected= Allowed

- (Through numeral)
Cancelled

Restricted

Non-Elected

I Interference

A Appeal
O Objected

| Cla          | aim      | Γ                                      |           |              |         | Da           | ite     |                         |  |          |                      | Cla   | im          |                 |          |         | Date     |                |          |              | ] ~   | Čl    | aim          |           |          |          | С        | ate      | ,        |          | _                 |          |
|--------------|----------|--|-----------|--------------|---------|--------------|---------|-------------------------|--|----------|----------------------|-------|-------------|-----------------|----------|---------|----------|----------------|----------|--------------|-------|-------|--------------|-----------|----------|----------|----------|----------|----------|----------|-------------------|----------|
| _            | <u>5</u> | 7                                      | ۱'        |              |         |              | ŀ       | 1                       |  |          |                      |       | <del></del> |                 |          |         |          |                |          |              |       | _     | <del> </del> |           |          |          |          |          |          |          |                   |          |
| Final        | Original | //                                     | 7         |              |         | 1            |         |                         |  |          |                      | Final | Original    |                 |          |         |          |                |          |              |       | Final | Original     |           |          |          |          |          |          |          |                   |          |
| i <u>L</u>   | 5        | N N                                    |           |              |         |              |         |                         |  |          |                      | 证     | Ö           |                 |          |         |          |                |          |              |       | 证     | Öij          |           |          |          |          |          |          |          |                   |          |
|              |          | 12                                     | 7         | $\bot$       | $\bot$  | +            | _       | $\bot$                  | +  |          |                      |       |             | $\sqcup$        | $\perp$  |         | ╄-       | _              |          | ╄-           |       |       |              | _         | $\dashv$ |          | _        |          | _        | _        | 4                 |          |
|              | 1        | H                                      | 4         | +            | +       | +            |         | +                       | +  | _        |                      |       | 51          | $\vdash$        | -        | -       | $\vdash$ | _              | +        | +            |       |       | 101          |           | $\dashv$ | -        |          | _        | $\dashv$ |          | -                 |          |
|              | 2        | Н                                      | 4         | +            | +       | +            | _       | +                       | +  | _        |                      |       | 52          |                 | -+       | -       | $\vdash$ | _              | -        | +-           | 1     |       | 102<br>103   |           | +        | -+       |          |          | $\dashv$ | -        | +                 | -        |
| -            | 3        | Н                                      | 4         | +            | ╀       | +            |         | +                       | +  | _        |                      |       | 53<br>54    | $\vdash$        | -        |         | ╁        | -              | -        | ╁            |       |       |              | -+        | $\dashv$ |          |          | -        | $\dashv$ | $\dashv$ | +                 | $\dashv$ |
|              | 5        | Н                                      | ╄         | +            | ╁       | ╁            | +       | ╁                       | +  | -        |                      |       | 55          | $\vdash$        | +        | +       | -        |                | +-       | ╁            | 1     |       | 104<br>105   | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$          | $\dashv$ |
|              | 6        | Н                                      | ╁         | +            | ╫       | ╫            | +       | +-                      | +-+  | $\dashv$ |                      |       | 56          | $\vdash$        | +        | +       | +        | +              | +        | +-           |       |       | 106          | -         | -        | $\dashv$ |          |          | $\dashv$ | $\dashv$ | +                 | -        |
|              | 7        | Н                                      | +         | +-           | +       | +            | +       | ╁                       | ++   | $\dashv$ |                      |       | 57          | $\vdash$        | +        | +       | ╁╌       | 十              | $\dashv$ | +-           | 6.3   |       | 107          | H         | $\dashv$ | 1        |          | ┪        | $\dashv$ | 1        | $\dashv$          | 一        |
| <u> </u>     | 8        | H                                      | +         | +            | +       | +            | +       | +                       | +  | _        |                      |       | 58          | -               | $\dashv$ | _       | $\vdash$ | $\neg$         | _        | ╈            |       |       | 108          |           | $\dashv$ | 7        | +        |          |          | 1        | 十                 | $\dashv$ |
|              | 9        | H                                      | +         | ╁            | $\top$  | +-           | +       | 1                       | $\top$   | $\neg$   | 100                  | _     | 59          |                 | _        | _       |          | $\neg$         | $\dashv$ | †            |       |       | 109          | $\neg$    | $\dashv$ | $\dashv$ | T        | $\dashv$ | $\neg$   | $\dashv$ | 十                 | ᅱ        |
|              | 10       | П                                      | ╈         |              | +       | T            |         | T                       |  |          | 110                  |       | 60          |                 | ┪        | ┪       | 1        | $\neg$         | $\top$   | $\top$       | 1     |       | 110          |           | 寸        | T        |          | $\neg$   | 一        | T        | ヿ                 | ヿ        |
|              | 11       | П                                      | T         | $\top$       | T       | 1            |         |                         | $\top$   |          | i en                 |       | 61          |                 | _        | 1       |          | 一              | $\top$   | 1            | j     |       | 111          | $\neg$    | $\dashv$ | 寸        | コ        | $\neg$   | ヿ        | 寸        |                   | ┨        |
|              | 12       | П                                      |           |              | Ι       | Τ            |         | T                       | $\Box \Box$  |          | , y <del>y -</del> g |       | 62          |                 |          |         |          |                |          |              | [35]  |       | 112          |           |          |          |          |          |          |          |                   |          |
|              | 13       | П                                      | Ι         |              | Ι       | I            |         | Ι                       | $\Box$   |          | H                    |       | 63          |                 |          |         |          |                |          |              | ]     |       | 113          |           |          |          |          |          |          |          |                   | ┚        |
|              | 14       |  | Ι         | I            | I       | I            |         | $oldsymbol{\mathbb{L}}$ |  |          |                      |       | 64          |                 |          | Τ       |          |                |          |              | 1.4   |       | 114          |           |          |          |          |          |          |          |                   |          |
|              | 15       | Ц                                      |           |              |         |              |         |                         |  |          |                      |       | 65          |                 |          |         |          |                |          |              |       |       | 115          |           | $\perp$  |          |          |          |          |          | $\perp$           |          |
|              | 16       | Ц                                      | Ĺ         |              | $\perp$ | L            |         |                         | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |          |                      |       | 66          |                 |          | $\perp$ | Ш        |                |          |              |       |       | 116          | $\Box$    | $\perp$  | $\perp$  |          | $\Box$   | ]        | [        |                   | ᆜ        |
| $oxed{oxed}$ | 17       | Ц                                      | $\perp$   | $\perp$      | $\perp$ | Ļ            |         |                         | $\downarrow \downarrow$  |          |                      |       | 67          | $oxed{oxed}$    |          |         | $\perp$  |                | $\perp$  | <del> </del> |       |       | 117          | $\Box$    | _        | $\perp$  |          | _        |          | _        | $\dashv$          | Ц        |
|              | 18       |  | _         | ┸            | ┸       | 4            |         |                         | $\bot \bot$  |          |                      |       | 68          | $\sqcup$        | _        | _ _     |          | $\perp$        |          | ـــ          | 13    |       | 118          | $\dashv$  | $\dashv$ | 4        | _        | _        | _        | 4        | $\dashv$          | _        |
|              | 19       | V                                      | 1         | $\perp$      | $\bot$  | 4            | _       | 1                       | 11   | _        | 1                    |       | 69          | <u> </u>        | _        | - -     | -        | $\perp$        |          | <b> </b>     |       |       | 119          | $\dashv$  | $\dashv$ | _        | _        | $\dashv$ | _        | _        | $\dashv$          | ႕        |
| <u> </u>     | 20       | ┡                                      | +         | +            | ╄       | +            |         | 4-                      | ++   | _        | 10                   |       | 70          | $\vdash$        | +        | +       |          | $\dashv$       | +        | ╄            |       |       | 120          | _         | -        |          |          | -        | -        |          | -                 |          |
|              | 21       | <b> </b> -                             | +         | +            | +-      |              | -       |                         | +  | $\dashv$ |                      |       | 71          | <b>-</b>        | +        |         |          |                | _        | $\vdash$     |       |       | 121          |           | -        | -        | -        |          |          |          | $\dashv$          |          |
|              | 22       | ┝                                      | ╀         | ╬            | +-      | ╁            | ┿       | -                       | +  | -        |                      |       | 72          | -               | +        |         | $\vdash$ | +              | -        | +            |       |       | 122          | $\dashv$  | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | -        | $\dashv$          | $\dashv$ |
|              | 23<br>24 | ⊢                                      | +         | +            | ╁       | +            | +       | +                       | +  | -        | ú y                  |       | 73<br>74    |                 | +        | +       | H        |                |          | +-           |       |       | 123<br>124   | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +                 | $\dashv$ |
| $\vdash$     | 25       | $\vdash$                               | +         | +            | +       | +            | +       | +                       | +  | $\dashv$ |                      |       | 75          | $\vdash$        | $\dashv$ | +-      | -        |                |          | ╁            |       |       | 125          | -+        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | +                 | $\dashv$ |
| $\vdash$     | 26       | ⊢                                      | +         | +-           | +       | ╁            | +       | +                       | +  | $\dashv$ | 4.0                  |       | 76          |                 | +        | +-      | $\vdash$ | $\dashv$       |          | ╁            |       |       | 126          | $\dashv$  | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$ |
| $\vdash$     | 27       | ┝                                      | ╁         | ┰            | ╁       | ╫            | ╁       | ╁                       | +  | $\dashv$ |                      |       | 77          | $\vdash$        | +        | +       |          | -              | $\top$   | +            | 9 - 1 |       | 127          | -         | $\dashv$ | -        |          | -        | -        | $\dashv$ | $\dashv$          | $\dashv$ |
|              | 28       | H                                      | $\dagger$ | $\dagger$    | +       | ╁            | +       | ╅                       | + +  | ᅥ        | - 2                  |       | 78          |                 | +        | -       | $\Box$   | $\dashv$       | +        | <del> </del> | 4.7   |       | 128          | $\dashv$  | _        | _        |          | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$ |
|              | 29       | H                                      | $\dagger$ | $^{+}$       | $^{+}$  | $^{\dagger}$ | +       | +                       | 11   |          |                      |       | 79          |                 | $\dashv$ | $\top$  | $\vdash$ | $\neg \dagger$ | $\top$   | t            |       |       | 129          | $\forall$ | $\dashv$ | 寸        |          | _        | $\neg$   |          | 7                 | ᅦ        |
|              | 30       | T                                      | 十         | $\top$       | $\top$  | $\top$       | $\top$  | $\top$                  | 11   |          | - d.:                |       | 80          |                 | _        | 1       |          | $\neg$         | $\top$   | 1            |       |       | 130          | T         | 寸        | T        | 1        | 寸        | $\neg$   | 7        | ヿ                 | $\neg$   |
|              | 31       | T                                      | Ť         | Ť            | 1       | T            |         | T                       | $\top$   | $\neg$   | 1                    |       | 81          |                 | $\top$   |         |          |                | _        | T            |       |       | 131          | T         | 一        |          |          |          | $\neg$   |          | $\neg$            | ヿ        |
|              | 32       | Γ                                      | 1         | T            | Ī       | Τ            |         | Τ                       |  |          | ·                    |       | 82          |                 |          | T       |          |                |          |              |       |       | 132          |           |          | ⅃        |          |          |          |          |                   | I        |
|              | 33       |  | Γ         | $oxed{oxed}$ | Ι       | Ι            |         | $oxed{oxed}$            |  |          | 10                   |       | 83          |                 |          | $\prod$ |          |                |          | Γ            | ]     |       | 133          |           |          | $\Box$   |          |          |          |          | $\Box$            |          |
|              | 34       |  | Ι         |              | Ι       | Ι            | $\prod$ | $oxed{\Box}$            |  |          |                      |       | 84          |                 | $\perp$  |         |          |                |          |              | ]     |       | 134          |           |          |          |          |          | $\Box$   |          | $oldsymbol{\bot}$ |          |
|              | 35       | Ĺ                                      | Ţ         |              |         | Ţ            |         |                         | $oxed{\Box}$   |          | 6 de<br>1 de         |       | 85          | $\Box$          | $\perp$  | $\perp$ |          |                |          |              | Σ,    |       | 135          |           |          | $\perp$  |          | _]       | $\Box$   |          | _                 |          |
|              | 36       | L                                      | $\perp$   | $\perp$      | $\perp$ | $\perp$      |         | $\perp$                 | $\perp \perp$  |          |                      |       | 86          | $\sqcup$        | $\perp$  | _ _     | igspace  |                | $\bot$   | _            |       |       | 136          | Ц         |          |          |          |          |          | _        | $\dashv$          | _        |
|              | 37       | _                                      | 1         |              | $\perp$ | 4            |         |                         | $\perp \perp$  |          | ļ,                   |       | 87          | $\sqcup$        | $\perp$  | _       | Ш        |                |          | _            |       |       | 137          |           | _        | _        | _        | _        |          | _        |                   | $ \bot $ |
|              | 38       | $\perp$                                | $\perp$   | _            | 1       | 1            | _       | 4_                      | $\perp \perp$  |          | . #<br>.4.           | L     | 88          | $\sqcup$        | $\bot$   | +       | igapha   | $\perp$        | 4-       | 4            | 2.55  |       | 138          | $\sqcup$  | $\dashv$ | $\perp$  | _        | ļ        | _        | _        | $\dashv$          | ᅵ        |
|              | 39       | 1                                      | 4         | $\bot$       | 1       | +            | $\perp$ | 4                       | 11   | _        | J.                   |       | 89          | $\sqcup$        | $\perp$  | $\bot$  | igspace  | 4              | _ _      | -            |       |       | 139          | $\perp$   | $\dashv$ | $\dashv$ |          | _        | $\dashv$ | 4        | -                 | _        |
|              | 40       | ├-                                     | +         | +-           | +       | +            | _       | $\bot$                  | +  | _        | 급                    |       | 90          |                 | +        | +       |          | $\dashv$       | +        | $\vdash$     |       |       | 140          | $\dashv$  | $\dashv$ | $\dashv$ | _        |          |          | $\dashv$ | $\dashv$          | $\dashv$ |
|              | 41       | ├-                                     | +         | +            | +       | +            | +       | +                       | ++   | _        |                      | ļ     | 91          | $\vdash \vdash$ | +        | +       | $\vdash$ | -              |          | -            | ŀ.,   |       | 141          | $\dashv$  | $\dashv$ | -        |          |          |          | $\dashv$ | $\dashv$          | $\dashv$ |
| <u> </u>     | 42       | ⊢                                      | +         | +            | +       | +            | +       | +                       | +  | _        |                      |       | 92<br>93    | $\vdash$        | -        | -       | $\vdash$ | $\dashv$       |          | +            |       |       | 142<br>143   | $\dashv$  | $\dashv$ | -        |          | _        | -        | $\dashv$ | -                 |          |
|              | 43<br>44 | ⊢                                      | +         | +            | +       | +            | +       | +                       | ++   |          | 1.61.1               |       | 93          | $\vdash$        | +        | -       | $\vdash$ | +              | +        | +            |       |       | 143          |           | -+       | -+       |          |          |          | $\dashv$ | +                 | -        |
|              | 45       | ╀                                      | +         | +            | +       | +            | +       | +                       | ++   | _        | 1                    |       | 95          | $\vdash$        | $\dashv$ | +       | +        | $\dashv$       | +        | +            |       |       | 145          |           | -+       | $\dashv$ |          | $\dashv$ |          | $\dashv$ | -+                | -        |
| <u> </u>     | 46       | $\vdash$                               | +         | +            | +       | +            | +       | +                       | +  |          |                      | —     | 96          | ╁╾┼             | -        | +-      | $\vdash$ | $\dashv$       | +        | +            | 1     |       | 146          |           | -+       | $\dashv$ | ┪        |          | $\dashv$ | ᆉ        | +                 | $\dashv$ |
|              | 47       | ┢                                      | ╫         | +-           | +-      | ╁            | +       | +                       | +  | $\dashv$ | : 4                  |       | 97          |                 | +        | +       | $\vdash$ | $\dashv$       | +        | +-           | 1     |       | 147          | $\dashv$  | $\dashv$ | -+       | ╌┤       |          | $\dashv$ | $\dashv$ | +                 | —        |
| -            | 48       | ╁                                      | +         | +            | +       | +            | +       | +                       | ++   | $\dashv$ | :                    |       | 98          | $\vdash$        | +        | +       | +-       | $\dashv$       | +        | +            |       |       | 148          | -+        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | +        | $\dashv$          | $\dashv$ |
|              | 49       | $\vdash$                               | +         | +            | +       | +            | +       | +                       | +  | $\dashv$ |                      |       | 99          |                 | +        | +       | $\vdash$ | $\dashv$       | +        | +            | 1     | -     | 149          | $\dashv$  | $\dashv$ | $\dashv$ |          | -        | $\dashv$ |          | $\dashv$          | $\dashv$ |
|              | 50       | ╁                                      | 十         | +-           | +       | ╁            | +       | ╁                       | ++   | $\dashv$ |                      |       | 100         |                 | +        | +       | +        | $\dashv$       | +        | T            |       |       | 150          | $\vdash$  | _        | $\dashv$ | $\dashv$ |          | $\dashv$ | -+       | $\dashv$          | $\dashv$ |
|              |          | ــــــــــــــــــــــــــــــــــــــ |           |              |         | Ц.           |         |                         |  |          |                      | Щ.    |             |                 |          | _1_     |          | L              |          |              | ו     | Ь     | .50          |           |          |          |          |          |          | +        | _                 |          |